Fact Sheet

Project information

ASHLEY

Grant agreement ID: 605442

Status
Closed project

Funded under:
FP7-TRANSPORT

Overall budget:
€ 39 304 787,06

EU contribution
€ 22 903 474

Coordinated by:
THALES AVS FRANCE SAS
France

Start date
1 October 2013

End date
30 September 2017

Objective

In search for a more competitive, multiple types of aircrafts, IMA based, avionics platform solution, the European aerospace industry has recently initiated the IMA2G paradigm thanks to the EC funded SCARLETT project.

This latter successfully validated a first underlying set of IMA2G concepts (Separate Core Processing resources from I/O resources, introduce resource segments typology of electronics solutions, provide platform services layer to function supplier etc.), thus creating the expected Distributed Modular Electronics (DME) breakthrough to lay IMA2G solid rock foundations.

The goal of the work within ASHLEY is to go on carrying out research on top of the existing SCARLETT state-of-the-art in areas where innovations are likely to make the most of DME growth potential:

• Extension of DME concepts and solutions to other aircraft domains especially the open world domain, leading to the definition of DME security components.
• Common remote I/O resources typology including high integrity, time critical remote solutions.
• Multi-domains, secured Data Distribution services to streamline aircraft data distribution.
• Development of an efficient system designer oriented IMA2G Tooling Framework solution that remains compliant with IMA2G industrial and certification constraints.
• Development of a generation of digital i.e. smart sensors based on new advanced photonics technologies.

ASHLEY innovations will be supported by advanced processes, methods and tools for an efficient implementation in the future and validated thanks to the ASHLEY Large Scale aircraft representative Demonstrator.

By progressing as described above the European Industry will be in a position to offer a common secured multi-domain avionics platform solution across a worldwide range of aircraft types, at a higher level of maturity at entry into service.

Field of Science

/engineering and technology/mechanical engineering/vehicle engineering/aerospace engineering/aircraft
/social sciences/economics and business/economics/sustainable economy
/social sciences/sociology/governance/public services

Programme(s)

FP7-TRANSPORT - Specific Programme "Cooperation": Transport (including Aeronautics)

Topic(s)

AAT.2013.4-7. - Large scale demonstration of extended Distributed Modular Electronics

Call for proposal

FP7-AAT-2013-RTD-1

See other projects for this call

Funding Scheme

CP-IP - Large-scale integrating project

Coordinator
### THALES AVS FRANCE SAS

**Address**
75-77 Avenue Marcel Dassault
33700 Merignac
France

**Activity type**
Private for-profit entities (excluding Higher or Secondary Education Establishments)

**EU Contribution**
€ 4 672 168

**Website**

**Contact the organisation**

Administrative Contact
Sonia Wassilieff (Ms.)

### Participants (37)

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**ARTTIC**
France

**Website**

**Contact the organisation**

Administrative Contact
Eric Papon (Dr.)

**AIRBUS OPERATIONS SAS**
France

**Website**

**Contact the organisation**

Administrative Contact
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Activity type
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Administrative Contact
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EU Contribution
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AIRBUS OPERATIONS LIMITED
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Activity type
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(excluding Higher or Secondary Education Establishments)

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Contact the organisation
Administrative Contact
Philippa Rowe (Ms.)

EU Contribution
€ 1 142 601

DIEHL AEROSPACE GMBH
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Activity type
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(excluding Higher or Secondary Education Establishments)

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Contact the organisation
Administrative Contact
Beatrice Kornek-Percin (Mrs.)

EU Contribution
€ 1 617 308
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*Website*  
*Contact the organisation*  
Administrative Contact  
Thomas Liebert (Mr.)  
Jose Neves (Mr.)  
Ivonne Herrera (Dr.)
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<td>INSTITUTO DE SOLDADURA E QUALIDADE</td>
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<td>€ 584 021</td>
<td>Taguspark Avenida Professor Dr Cavaco Silva 33 Talaide 2740 120 Porto Salvo</td>
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<td>France</td>
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<td>7 Rue General Valerie Andre Inovel Parc Sud 78140 Velizy-Villacoublay</td>
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<td>€ 322 500</td>
<td>Anthony Fokkerweg 2 1059cm Amsterdam</td>
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Administrative Contact:
- Ulrich Dersch (Prof.) for FACHHOCHSCHULE ZENTRALSCHWEIZ - HOCHSCHULE LUZERN
- Xavier Baby (Dr.) for LIEBHERR AEROSPACE TOULOUSE SAS
- Thomas Feuerle (Dr.) for TECHNISCHE UNIVERSITAET BRAUNSCHWEIG
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

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80686 Munich

Activity type
Research Organisations

EU Contribution
€ 267 858,75

AIRBUS GROUP SAS

France

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31700 Blagnac

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

EU Contribution
€ 150 000

IGUASSU SOFTWARE SYSTEMS AS

Czechia

Address
Evropska 657/120
16000 Praha

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

EU Contribution
€ 224 940
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**Administrative Contact**

EATON LIMITED: Akos Melecske (Mr.)

LEONARDO - SOCIETA PER AZIONI: Alessandro Ambrosetti (Mr.)